

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
2 June 2005 (02.06.2005)

PCT

(10) International Publication Number
WO 2005/049724 A1

- (51) International Patent Classification⁷: **C08L 7/00**, 21/00, 15/02, 23/28
- (74) Agent: **RIBIERE, Joël**; M.F.P. Michelin, 23, place des Carmes Dechaux, SGD/LG/PI -F35 - Ladoux, F-63040 Clermont-Ferrand Cédex 09 (FR).
- (21) International Application Number: **PCT/EP2004/012237**
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 29 October 2004 (29.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0312743 30 October 2003 (30.10.2003) FR
- (71) Applicant (for all designated States except CA, MX, US): **SOCIETE DE TECHNOLOGIE MICHELIN** [FR/FR]; 23, rue Breschet, F-63000 Clermont-Ferrand (FR).
- (71) Applicant (for all designated States except US): **MICHELIN RECHERCHE ET TECHNIQUE S.A.** [CH/CH]; Route Louis Braille 10 et 12, CH-1763 Granges-Paccot (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CHASSAGNON, Robert** [FR/FR]; 10, rue Mirabel, F-63200 Riom (FR). **VASSEUR, Didier** [FR/FR]; Rue Claudius Labrosse, F-63100 Clermont-Ferrand (FR).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TREAD FOR PNEUMATIC TYRES

(57) Abstract: The invention relates to a tread for pneumatic tyres with an improved capacity for adhesion to wet ground. Said tread consists of a rubber composition containing at least: (i) one dienic elastomer comprising more than 30 pce of rubber butyl, (ii) a reinforcing inorganic load such as silica, (iii) a coupling agent for the inorganic load, and, as a plastifying agent, (iv) a glycerol unsaturated fatty acid triester (C₁₂-C₂₂), especially a glycerol trioleate. The invention also relates to the use of one such tread for the production or the retreading of pneumatic tyres, and to the pneumatic tyres themselves.

WO 2005/049724 A1